

MINUTES OF THE COUNCIL MEETING
OF THE INSTITUTE OF NAVIGATION

(January 25, 2004)

Subject to the approval of the ION Council the following minutes are submitted. The Council Meeting was called to order on January 25, 2004 at the Catamaran Hotel in San Diego, California at 1pm. Those present were:

VOTING COUNCIL MEMBERS:

<u>Name</u>	<u>Office Held</u>
Larry Hothem	President
Dr. Penny Axelrad	Executive VP/ Strategic Plan Chair
John Clark	Treasurer
Dan Crouch	Western Region VP
Dr. Chris Bartone	Eastern Region VP
John Lavrakas	Satellite Division Chair
Marie Lage	Eastern M-at-L & 2003 Congressional Fellow
Doug Taggart	Marine Rep.
Ruth Neilan	Space Rep.
John Nielson	Space Rep.
Barbara Clark	Air Rep.
Jim Arnold	Land Rep.
Dr. Dorota Grejner-Brzezinska	Land Rep.
Dr. Gerard Lachapelle	Alberta Section Chair
Jim Doherty	Washington Section Chair
Walter Schoppe	San Diego Section Chair
Len Jacobson	Sections Chair
Ron Braff	Annual Awards Chair
Dr. Dick Greenspan	Bylaws Chair/Outreach: Gov't Fellow Selection Chair/Past President
Dr. Elizabeth Cannon	Past President
Dr. Per Enge	Past President
Ron Hatch	Past President
Bill Klepczynski	Past President & 2003 Executive Fellow
Len Sugerman	Past President
Karen Van Dyke	Past President
Phil Ward	Past President

NON-VOTING MEMBERS:

<u>Name</u>	<u>Position Held</u>
Jack Reichel	Virtual Museum Curator
Dr. Jim Farrell	IMU Interface Committee Chair
Dr. A.J. Van Dierendonck	
Carl Andren	Technical Director
Lisa Beaty	Director of Operations
Rick Buongiovanni	IT Manager, National Office

It was determined that a quorum was achieved.

AGENDA:

See Attached File: [Agenda.pdf](#)

Approval of June 2003 Meeting Minutes

Motion: The June 2003 Council Meeting Minutes are approved as submitted. Motion made by Len Sugerman, seconded by Len Jacobson and passed by the Council.

ION Web Development Plan

Frank van Graas was unable to attend the meeting. The report was presented by Penny Axelrad and Rick Buongiovanni (National Office).

See Attached File: [Web Development Report.pdf](#)

At the conclusion of the report Penny Axelrad made the following motion on Frank van Graas' behalf:

Motion: Council approved subscription dues and download fees as detailed in the report; namely unlimited download yearly subscriptions for \$420 per year for individual members and \$475 per year for individual non-members, \$4,200 per year for corporate members and \$4,900 per year for corporate non-members, and \$8,400 per year for libraries. Motion made by Penny Axelrad, seconded by John Lavrakas, and passed by Council.

Motion: The Council accepts as a goal for the ION's web site to become financially self-sustaining by 2006 and a business model is to be created and presented to Council by January 2005 to ensure the same. Web business plan shall be distributed to Council prior to January 2005 so that Council members are given the opportunity to comment. Motion made by Penny Axelrad, seconded by Jim Arnold, and passed by Council.

Richard Greenspan suggested that increased web success/sales may result in decreased revenue in other areas such as registration as technical materials become easily available to those who elect not to attend ION meetings and he suggested that this needed to be explored.

Virtual Museum of Navigation Instruments

Jack Reichel presented a proposal to establish a virtual museum of navigation instruments embracing land, sea, air and space; and emphasizing historical genealogy. He reported that the ION and its members have collected a variety of instruments of historical and educational significance, and there presently exists no venue to exhibit them. He noted that with the rapid

emergence of electronic navigation there is a danger that there will be no retention or legacy of historical instruments and devices.

The short-term proposal included cataloging all instruments in the ION's current collection and creating a virtual museum on the ION web site. Rick Buongiovanni demonstrated a mock-up that the ION National Office had created.

Motion: The Council supports the creation of a virtual museum on the ION's web site. A virtual museum ad hoc committee shall be formed with Rudy Kalafus and Jack Reichel as committee co-chairs. The goal is for the virtual museum to be unveiled in September 2005. Motion made by Len Sugerman, seconded by Ron Braff and passed by Council.

Action: An advertisement for virtual museum committee members and instruments shall be announced in the ION newsletter.

Approval Annual Awards Committee

Ron Braff, Annual Awards Committee Chair, reported that the members of the Annual Awards Committee had been reviewed and approved by the ION President.

Bylaws Committee Report

Bylaws Chair, Dr. Richard Greenspan, requested that Article I, Section 5 of the bylaws be changed as follows (proposed change in italics):

Motion: **Article 1, Section 5. *Fellow Member.*** Any individual who has made outstanding contributions to the advancement of navigation may be elected a fellow, in one of three classes, *by a vote of at least five of the seven members of the Executive Committee ...* Motion made by Richard Greenspan, seconded by Bill Klepczynski and passed by the Council.

For Updated Bylaws See Attached File: [Bylaws January 25, 2004.doc](#)

Fellow Selection Committee Report

See Attached File: [Fellow Selection Report.doc](#)

Karen Van Dyke, Chair of the 2004 ION Fellow Selection Committee, reported that the 2004 selection committee had consisted of the following ION Fellows:

Dr. Richard Greenspan	Col. Leonard Sugerman (USAF Ret.)
Mr. Ronald Hatch	Dr. AJ Van Dierendonck
Dr. Rudolph Kalafus	Mr. Phillip Ward
Mr. Keith McDonald	Ms. Karen Van Dyke (Chair)

It was reported that the 2004 Fellow Selection Committee submitted the following candidates to the ION's Executive Committee that had ratified their induction as ION Fellows for June 2004:

ION Fellows:

- Dr. Penina Axelrad
- Dr. Elizabeth Cannon
- Dr. Richard Langley
- Dr. Benjamin Peterson

Posthumous Fellows:

- Mr. Sterling Anderson for his key contributions to the success of VOR and Doppler VOR systems for air navigation.
- Maj. Gen. John Hepfer for his support of development of various Air Force guidance and navigation systems for aircraft and missiles, including management of the Minuteman III guidance and control program.
- Dr. Leonard Kruczynski for over 25 years of work on GPS, including serving as commander of the GPS Test Force at the U.S. Army Yuma Proving Ground and his participation on RTCM Special Committee 104 and the GPS Test Standards Committee.

In order to prevent the number of Fellow candidates being considered by the Selection Committee from becoming unwieldy, it was recommended that carry-over fellow nominations be considered for only three years (the year of submission and two additional years). If the candidate is not selected after three years, the ION should inform the nominator that the nomination is being removed from consideration and the nomination must be resubmitted for that candidate to receive further consideration.

It was also suggested that the evaluation criteria for selection of ION Fellows be better defined so that each member of the Selection Committee is working from the same ground rules when evaluating the Fellow candidates.

Action: Before the next Fellow selection, a Fellow Selection Procedures subgroup consisting of ION Fellows who have participated in the selection process shall refine the evaluation criteria, develop weighting factors and codify the selection procedure. Nomination and selection guidelines are to be modified to reflect the updated evaluation criteria and reported to Council in June 2004. The updated Fellow Selection Procedures shall then be published on the ION web site and in ION printed materials.

Council Nomination Committee Report

Rudy Kalafus, 2004-'05 Nominating Chair, reported that the following people had agreed to serve on the 2004-'05 Nominating Committee:

Eastern Region: Dr. Ben Peterson
 Dr. Duncan Cox

Dr. Frank van Graas

Western Region: Dr. Penny Axelrad
Dr. Per Enge
Mr. Phil Ward

Motion: The Council approves the following members of the 2004 Nominations Committee: Ben Peterson, Duncan Cox and Frank van Graas from the Eastern Region; and Penny Axelrad, Per Enge and Phil Ward from the Western Region. Motion made by John Lavrakas, seconded by Len Jacobson and passed by the Council.

ION Section Sponsored Graduate Student Awards

See Attached Files: [Student Graduate Section Award.pdf](#) (Policy)
[Student Graduate Applic.pdf](#) (Application)

John Raquet, Outreach: Education Committee Chair, was unable to attend the Council meeting. Larry Hothem asked Chris Bartone to introduce the ION SECTION SPONSORED GRADUATE STUDENT AWARD PROGRAM on his behalf. See attached file: [Student Graduate Section Award.pdf](#)

Hothem stated that the purpose of the graduate student award was to encourage more students to work in the navigation field and that recipients of this award would likely be students with greater chance of having long-term involvement in the ION. It was further reported that the award criteria had already been reviewed and approved the by the Executive Committee in September 2003.

It was explained that while the criteria for the graduate student award would need to be approved by the local section, the university would administer the award itself. It was also noted that this program was in addition to the currently approved section scholarship program and the \$250 student awards programs.

Motion: Council ratifies the ION Section Sponsored Graduate Student Awards Program. Council approves the one-year of program funding from the ION's new initiatives fund and it is agreed that funding options shall be reviewed annually. Motion made by Chris Bartone, seconded by Elizabeth Cannon and passed by the Executive Committee.

Government Fellows Report

Dr. Richard Greenspan, Chair of the Government Fellows Selection Committee, reported that Marie Lage and Dr. William Klepczynski had been selected for the year from September 2003 through September 2004. It was reported that Marie Lage was the ION's Congressional Fellow. She joined the staff of Senator Olympia Snowe in September 2003. Bill Klepczynski was selected as the ION's Executive Fellow. He joined the staff of Ralph Braibanti, Director, Space and

Advanced Technology, US Department of State in September 2003 (see his report in the current issue of the ION Newsletter).

It was reported that the Outreach: Government Fellows Selection Committee for the 2004/2005 term consists of Richard Greenspan (Appointed Chair), Larry Hothem (Ex-officio), and Rudy Kalafus (Ex-officio).

The deadline for submitting applications for either Government Fellowship is 30 April 2004. ION Headquarters circulated an e-mail reminder of this opportunity to the membership on 13 January 2004.

Executive Fellow Report: Bill Klepczynski

Klepczynski publicly thanked the ION for having selected him for the rewarding experience. He stated that the ION's Government Fellows program had a tangible short-term benefit in that currently the US government has a large science/technology budget and the science and technology budgets and policies are often controlled by managers with little background in technology. Government Fellows provide correct technical information to the decision makers. The long-term benefits of the program are that past fellows often become the policy/decision makers of the future. This could be very beneficial to the ION membership in the long run.

Congressional Fellow Report: Marie Lage

Lage also thanked the Council for the opportunity she had to serve as a Congressional Fellow. She noted that Congress often lacks people who are qualified to scientifically evaluate programs. She reported that in Senator Snowe's office she supports defense and intelligence work (primarily concerning Iraq) and has to provide voting recommendations on amendments in "real-time". She also reported that she is working with the FAA and NASA.

Meetings Report

[See Attached File: Meetings Report.pdf](#)

Lisa Beaty reported that Council had approved California as the meeting location for '06 National Technical Meeting (January 2006). It was reported that GNSS'04 and '05 are being held in Long Beach, the '05 National Technical Meeting is being held in San Diego, and this posed the question of where in California to locate the January '06 National Technical Meeting. The Council discussed the option of returning to San Diego (three years in a row), staying in the LA area or exploring Northern California. While there was some concern expressed over the weather in Northern California in January, it was the overwhelming preference of the Council to explore the Northern California area for NTM '06.

Action: [The National Office explores meeting locations in Northern California for January 2006.](#)

Motion: The Council approved Dr. Nasser El-Sheimy (The University of Calgary) as NTM 2005 Program Chair. Motion made by Per Enge, seconded by Jim Arnold and passed by the Council.

2004-2005 Budget Presentation

See Attached File: 2004-2005 Budget.pdf

See Attached File: Reserve Funds Dec 2003.pdf

Motion: Council adopts the 2004-'05 budget as submitted. Motion made by John Clark, seconded by John Lavrakas and passed by the Council.

Lisa Beaty advised Council that at the September 2003 meeting of the Executive Committee that the Executive Committee voted to transfer funds within the investment account required for the ION's emergency contingency fund to a more conservative investment vehicle.

OTHER BUSINESS:

Proposal to Adopt the Outreach Committee as a Standing Committee

John Lavrakas made the proposal to create a new Outreach Committee as a standing committee. It was proposed that government fellows, student awards, historical initiatives, educational materials and international work would all fall under the responsibilities of the Outreach Committee. It was suggested that since outreach responsibilities would be numerous the Outreach Committee Chair would oversee various sub-committees focused on each activity. The chair of the Outreach Committee's responsibilities would include overseeing all outreach programs, increasing awareness of the ION within the navigation community, report to Council regularly and providing a regular column to the ION newsletter. It was noted that this would require an addition to the ION's bylaws.

Action: John Lavrakas accepted the action to identify and write a description of the Outreach Committee Chair's proposed duties for the bylaws and present a proposed addition to the bylaws at the June 2004 Council meeting.

There was some concern expressed that the responsibilities of suggested committee chair may be too broad as to be accomplished by the energy/resources of single volunteer. It was also suggested that the Strategic Planning Committee currently performs some outreach.

Senior Members

John Neilson suggested the ION remove the "Senior Members" category from the ION's bylaws or actually enacts the program. There were some that felt that ION Fellows had replaced senior members and the ION was not a large enough organization to have both.

Action: Add a discussion of Senior Members to the June 2004 Council meeting agenda.

Status of Satellite Division's Sponsorship of Flight Test Recorder for NAA

Phil Ward announced GPS Flight Test Recorder ready for testing and deployment to NAA.

OTHER ATTACHMENTS:

ION 2004 Calendar: [2004 Calendar.pdf](#)

Updated Bylaws per actions taken by Council: [Bylaws January 25, 2004.pdf](#)

The meeting was adjourned at 4:30pm.